

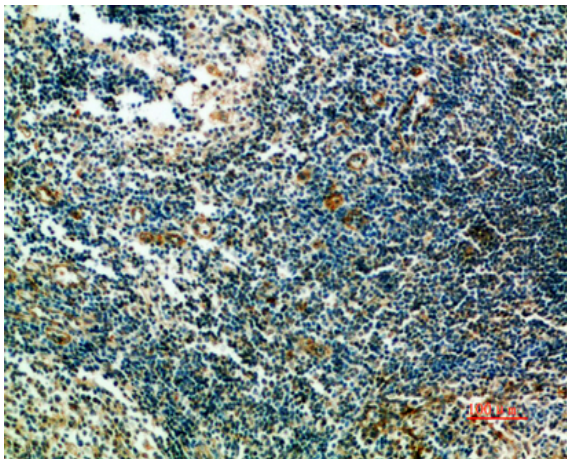
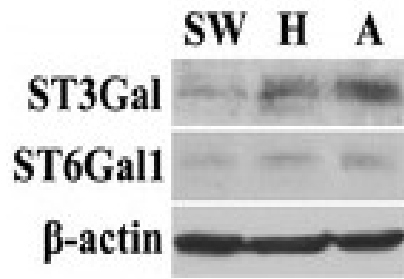
ST6GAL1 Polyclonal Antibody

Catalog No :	YT5847
Reactivity :	Human;Rat;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	ST6GAL1
Fields :	>>N-Glycan biosynthesis;>>Other types of O-glycan biosynthesis;>>Metabolic pathways
Gene Name :	ST6GAL1 SIAT1
Protein Name :	ST6GAL1
Human Gene Id :	6480
Human Swiss Prot No :	P15907
Mouse Gene Id :	20440
Mouse Swiss Prot No :	Q64685
Rat Swiss Prot No :	P13721
Immunogen :	Synthetic peptide from human protein at AA range: 63-135
Specificity :	The antibody detects endogenous ST6GAL1
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:50-200, ELISA 1:10000-20000, WB 1:500-2000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	47kD
Cell Pathway :	N-Glycan biosynthesis;
Background :	<p>This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Three transcript variants encoding two different isoforms have been described. [provided by RefSeq, Aug 2009],</p>
Function :	<p>catalytic activity: CMP-N-acetylneuraminate + beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine = CMP + alpha-N-acetylneuraminy-2,6-beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine.,function: Transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates.,online information: GlycoGene database,online information: ST6Gal I,pathway: Protein modification; protein glycosylation.,PTM: The HB-6, CDW75, and CD76 differentiation antigens are cell-surface carbohydrate determinants generated by this enzyme.,PTM: The soluble form derives from the membrane form by proteolytic processing.,similarity: Belongs to the glycosyltransferase 29 family.,subcellular location: Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.,</p>
Subcellular Location :	<p>Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein . Secreted. Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.</p>
Expression :	Liver,Lymph,Placenta,Skin,Spleen,Thymus,

Products Images

Liang, Yangui, et al. "Development of a novel method to evaluate sialylation of glycoproteins and analysis of gp96 sialylation in Hela, SW1990 and A549 cell lines." *Biological research* 48.1 (2015): 52.



Immunohistochemical analysis of paraffin-embedded human-tonsils, antibody was diluted at 1:200